



# MegaFlow 1000

Polycarboxylated Superplasticiser

**DESCRIPTION** **MegaFlow 1000** is a modified polycarboxylate ether based superplasticiser. Having unique carboxylic ether polymer with long lateral chains, it is an effective cement dispersant, fluidifier and high range water reducer as compared to conventional superplasticisers.

**STANDARD** ASTM C494, Type D and G, BSEN 934 - 2

**USES** **MegaFlow 1000** is specially intended for use in self compacting concrete, high strength concrete, durable concrete containing GGBS, micro silica, fly ash, etc. It is used in ready-mix concrete where extra ordinary slump retention is required in hot weather conditions. Extremely useful in high fines concrete.

**ADVANTAGES**

- Produces free flowing concrete without segregation and bleeding
- High strength concrete with low water content
- Produces self compacting concrete without segregation
- Improved surface finish
- Increased flexural strengths
- Good slump retention for longer time
- Remarkably superior performance than normal superplasticiser

## TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Brown
Specific Gravity	ASTM C494	1.10 +/- 0.02
Air Entrainment	-	Up to 1% over control mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	5-7

**COMPATIBILITY** **MegaFlow 1000** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. It should not be premixed with other admixtures.

**DOSAGE** Recommended dosage is 0.5 - 2% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of **MegaFlow 1000** and effect on concrete properties such as workability, strength, setting time, etc. are best assessed after preliminary tests on site using the actual materials of mixes under consideration. For self compacting concrete, a viscosity enhancer **MegaAdd VE** may be required at a dosage between 0.5 - 2.0 ltrs per cubic meter. (Dosage depends upon the material used)



## MegaFlow 1000

<b>EFFECT OF OVERDOSING</b>	Overdosing may result in higher workability and delay in setting. In such cases, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete.	
<b>PACK SIZE</b>	20 ltr, 200 ltr, 1000 ltr and Bulk	
<b>DISPENSING</b>	<b>MegaFlow 1000</b> should be dispensed into the concrete mixer together with the mixing water.	
<b>GENERAL INFORMATION</b>	<b>Shelf Life</b>	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	<b>Cleaning</b>	Clean all equipment and tools with water immediately after use.
<b>HEALTH and SAFETY</b>	<b>PPE's</b>	Gloves, goggles and suitable mask must be worn.
	<b>Precautions</b>	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
	<b>Hazard</b>	Regarded as non-hazardous for transportation.
	<b>Disposal</b>	Do not reuse containers. To be disposed off as per local rules and regulations.
	<b>Additional Information</b>	Refer MSDS. (Available on request)
<b>TECHNICAL SERVICE</b>	<b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products.	



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